

IN THE CLAIMS:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Original) An image pickup system for capturing the image of a subject,
comprising:

an image pickup element that constitutes one image-captured surface by
arranging a plurality of scanning lines having a first number of pixels;

a drive circuit for outputting, to the image pickup element, a drive signal with a
first frequency for sequentially reading an image-captured signal image-captured on the image
pickup surface of the image pickup element for every scanning line;

a line memory having a memory capacity, which can store one scanning line of
image-captured signals read from the image pickup element;

a writing signal generating circuit for outputting a writing signal with the first
frequency to the line memory and for writing the image-captured signal;

a reading signal generating circuit for outputting a reading signal with a second
frequency, which is higher than the first frequency, to the line memory and for reading image-
captured signals stored in one scanning line; and

a video signal processing circuit for performing video signal processing on the
image-captured signals read with the second frequency from the line memory.

a second image pickup unit self-containing a second image pickup element that constitutes one imaged screen by arranging a plurality of scanning lines having a second number of pixels, which is larger than the first number of pixels;

a second drive circuit provided in the second image pickup unit for outputting, to the second image pickup element, a second drive signal with a second frequency, which can sequentially read, for every scanning line, image-captured signals for one screen image-captured on the image-captured surface of the second image pickup element;

a second writing signal generating circuit provided in the second image pickup unit for generating a second writing signal with the second frequency, which can sequentially write, for every scanning line, image-captured signals for one screen from the second image pickup element read by the second drive signal;

a camera control unit to which the first image pickup unit or the second image pickup unit are connected freely removably,

a line memory provided in the camera control unit for sequentially storing image-captured signals for one scanning line from a connected image pickup unit based on a writing signal from the image pickup unit connected to the camera control unit;

a reading circuit for reading image-captured signals for one scanning line which are output and stored in the line memory, with the second frequency; and

a video signal processing circuit provided in the camera control unit for performing video-signal processing on the image-captured signals read with the second frequency from the line memory by using the reading circuit.



A DOCPHOENIX

☐ TRNA _____
Transmittal New Application

☐ SPEC _____
Specification

☐ CLM _____
Claims

☐ ABST _____
Abstract

☐ DRW _____
Drawings

☐ OATH _____
Oath or Declaration

☐ ADS _____
Application Data Sheet

☐ A... _____
Amendment Including Elections

☐ A.PE _____
Preliminary Amendment

☒ REM _____
Applicant Remarks in Amendment

☐ IDS _____
IDS Including 1449

☐ 371P _____
PCT Papers in a 371P Application

☐ FOR _____
Foreign Reference

☐ NPL _____
Non-Patent Literature

☐ FRPR _____
Foreign Priority Papers

☐ ARTIFACT _____
Artifact

☐ LET. _____
Misc. Incoming Letter

☐ IMIS _____
Misc. Internal Document

☐ TRREISS _____
Transmittal New Reissue Application

☐ PROTRANS _____
Translation of Provisional in Nonprovisional

☐ BIB _____
Bib Data Sheet

☐ WCLM _____
Claim Worksheet

☐ WFEE _____
Fee Worksheet

☐ APPENDIX _____
Appendix

☐ COMPUTER _____
Computer Program Listing

☐ SPEC NO _____
Specification Not in English

☐ N417 _____
Copy of EFS Receipt Acknowledgement

☐ CRFL _____
Computer Readable Form Transfer Request Filed

☐ CRFS _____
Computer Readable Form Statement

☐ SEQLIST _____
Sequence Listing

☐ SIR. _____
SIR Request

☐ AF/D _____
Affidavit or Exhibit Received

☐ DIST _____
Terminal Disclaimer Filed

☐ PET. _____
Petition

☐ END JOB☐ DUPLEX